Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1. (currently amended) An affinity trap reactor comprising [[a]] ~~support bound with~~ an enzyme [[and]]_L a molecule that specifically binds with a substrate of said enzyme and a support, wherein each of said enzyme and said molecule that specifically binds with a substrate of said enzyme are immobilized to said support.

Claim 2. (original) The affinity trap reactor according to claim 1, wherein the enzyme is a protease.

Claim 3. (original) The affinity trap reactor according to claim 2, wherein the enzyme is bacillolysin MA and the molecule that specifically binds with a substrate of said enzyme is lysine.

Claim 4. (currently amended) A single-stage process for obtaining BL-angiostatin from plasminogen contained in a biological sample comprising:

(a) applying a biological sample containing plasminogen to an affinity trap reactor composed of [[a]] support bound with comprising bacillolysin MA [[and]], lysine[[,]] and reacting a support, wherein each of said bacillolysin MA and said lysine is immobilized to said support, and allowing a reaction of the bacillolysin MA and the plasminogen under conditions of a temperature of 0 to 50°C in the presence of isopropyl alcohol, but in the absence of calcium ions and (b) eluting BL-antiostatin formed by the reaction of the bacillolysin MA and the plasminogen to obtain BL-angiostatin.

Claim 5. (new) The affinity trap reactor according to claim 1, wherein the enzyme is selected from the group consisting of a protease, a glycosidase, a lipase, an oxidoreductase, a transferase, a lyase, an isomerase and a synthetase.

Claim 6. (new) The affinity trap reactor according to claim 1, wherein the support is selected from the group consisting of a

porous silica bead support, a cellulose-based support, an
agarose-based support, a crosslinked dextran-based support and a
crosslinked polyacrylamide-based support.

Claim 7. (new) The affinity trap reactor according to claim
1, wherein the enzyme is bacillolysin MA.

Claim 8. (new) The affinity trap reactor according to claim
1, wherein the substrate is plasminogen.

Claim 9. (new) The affinity trap reactor according to claim
1, wherein the molecule that specifically binds with a substrate
of said enzyme is lysine.

Claim 10. (new) The affinity trap reactor according to
claim 1, wherein the enzyme is bacillolysin MA, the substrate is
prothrombin and the molecule that specifically binds with a
substrate of said enzyme is hirudine.

Claim 11. (new)   The affinity trap reactor according to claim 1, wherein the enzyme is trypsin, the substrate is preproinsulin and the molecule that specifically binds with a substrate of said enzyme is an anti-insulin antibody.

Claim 12. (new)   The affinity trap reactor according to claim 1, wherein the support is agarose gel.

Claim 13. (new)   The process according to claim 4, wherein the support is agarose gel.

Claim 14. (new)   The process according to claim 4, wherein the temperature is 4 to 25°C.